

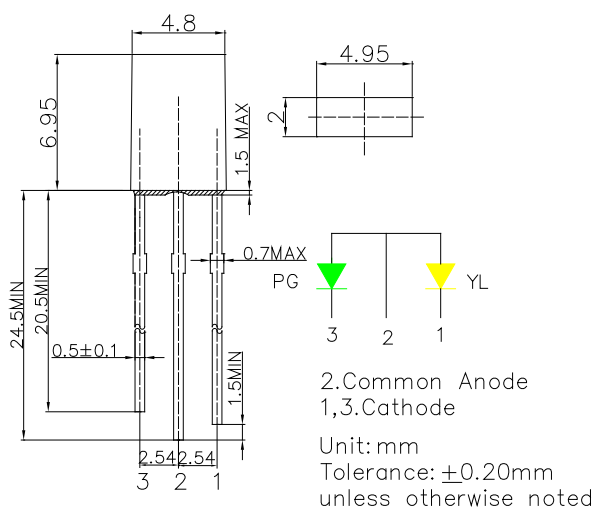
## ■ Features

- High Luminous LEDs
- 2x5x7mm Rectangular Standard Directivity
- UV Resistant Epoxy
- Water Clear Type
- Common Anode

## ■Applications

- Indicate Lamp
- Toys/Games/ Audio
- Other Lighting

## ■ Outline Dimension

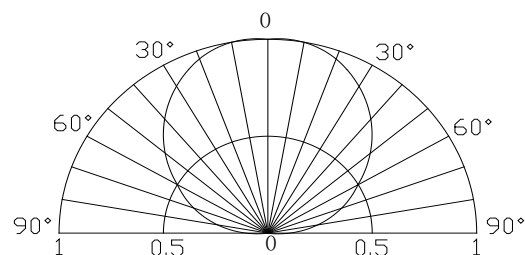


**■Absolute Maximum Rating** (Ta=25°C)

| Item                       | Symbol          | Value      |     | Unit |
|----------------------------|-----------------|------------|-----|------|
|                            |                 | YL         | PG  |      |
| DC Forward Current         | I <sub>F</sub>  | 30         | 30  | mA   |
| Pulse Forward Current#     | I <sub>FP</sub> | 100        | 100 | mA   |
| Reverse Voltage            | V <sub>R</sub>  | 5          | 5   | V    |
| Power Dissipation          | P <sub>D</sub>  | 78         | 102 | mW   |
| Operating Temperature      | Topr            | -30~ +85   |     | °C   |
| Storage Temperature        | Tstg            | -40 ~ +100 |     | °C   |
| Lead Soldering Temperature | Tsol            | 260°C/5sec |     | -    |

#Pulse width Max.10ms    Duty ratio max 1/10

## ■ Directivity



### ■Electrical -Optical Characteristics (Ta=25°C)

| Item                             | Symbol              | Condition            | Min. | Typ. | Max. | Unit |
|----------------------------------|---------------------|----------------------|------|------|------|------|
| DC Forward Voltage* <sub>1</sub> | V <sub>F</sub> (YL) | I <sub>F</sub> =20mA | -    | 2.1  | 2.6  | V    |
|                                  | V <sub>F</sub> (PG) | I <sub>F</sub> =20mA | -    | 2.9  | 3.4  | V    |
| DC Reverse Current               | I <sub>R</sub>      | V <sub>R</sub> =5V   | -    | -    | 10   | μA   |
| Domi. Wavelength* <sub>2</sub>   | λ <sub>D</sub> (YL) | I <sub>F</sub> =20mA | 585  | 590  | 595  | nm   |
|                                  | λ <sub>D</sub> (PG) | I <sub>F</sub> =20mA | 520  | 525  | 530  | nm   |
| Luminous Intensity* <sub>3</sub> | I <sub>v</sub> (YL) | I <sub>F</sub> =20mA | 500  | 750  | -    | mcd  |
|                                  | I <sub>v</sub> (PG) | I <sub>F</sub> =20mA | 750  | 1120 | -    | mcd  |
| 50% Power Angle                  | 2θ <sub>1/2</sub>   | I <sub>F</sub> =20mA | -    | 120  | -    | deg  |

\*<sub>1</sub> Tolerance of measurements of forward voltage is  $\pm 0.1$  V

\*2 Tolerance of measurements of dominant wavelength is  $\pm 1\text{ nm}$

\*3 Tolerance of measurements of luminous intensity is +15%